

IN THE SPECIFICATION

Replace the following paragraph beginning at page 2, line 6 and ending at page 2, line 19 with the following rewritten paragraph:

-- For example, U.S. Patents No. 4,833,048 ~~5,833,048~~ and No. 2,715,778 have proposed lithium secondary batteries where an organosulfur compound having a disulfide bond is used as an electrode material. Such an organosulfur compound is most simply represented by: $M^+-S-R-S^--M^+$. Herein, R represents an aliphatic group or an aromatic group, S represents sulfur, and M^+ represents a proton or a metal cation. The above compounds are bonded to each other via the S-S bond through an electrochemical oxidative reaction to give a polymer with a structure of $M^+-S-R-S-S-R-S-S-R-S^--M^+$. The polymer thus produced returns to the original monomers through an electrochemical reduction reaction. In lithium secondary batteries, this reaction is applied to the charging/discharging reaction in secondary batteries.--